

Serial No. 10/635,502

Docket No. HI-0139

Amdt. dated May 18, 2006

Reply to Office Action of February 27, 2006

**Amendments to the Specification:**

**Please replace paragraph [0009] with the following amended paragraph:**

[0009] As described above and shown in Figure 2, the switch unit 210 comprises the 3:4 switch 214 and the 4:3 switch 218. The 3:4 switch 214 is positioned at the front and back of the LPA unit 200 and inputs the signals for each sector to corresponding LPAs, and the 4:3 switch 218 switches the amplified signals outputted from the LPA unit 200 to transmit them to corresponding sectors. At this time, the switch unit 210 switches the signals to the LPA4 200d if the LPA for amplifying the signals for each ~~sector~~ sector is in the abnormal state.

**Please replace paragraph [0018] with the following amended paragraph:**

[0018] In addition, in the prior art, since the base station should be turned off so as to substitute the LPA shelf, the service is stopped for a long time until the LPA ~~self-shelf~~ is replaced completely. There is also a loss of manpower due to the physical replacement of the LPA shelf.

**Please replace paragraph [0026] with the following amended paragraph:**

[0026] ~~The LPA shelf according to claim 2, wherein~~ In another aspect of the present invention, the LPA installation is recognized by open collector signals generated from the respective LPAs. The LPA type is any one selected from the group consisting of a 1:1 type, a

redundancy type and a 2 way combiner type. The signal dividing means and the signal combining means connect the first path and disconnect the second path if the LPA type is of a 1:1 type or a redundancy type. The signal dividing means and the signal combining means simultaneously connect the first path and the second path if the LPA type is a 2 way combiner type.

**Please replace paragraph [0061] with the following amended paragraph:**

[0061] If any one of the LPA1 432a, the LPA3 434a and the LPA5 436a is in an abnormal state, the 3:4 switch 410 and the 4:3 switch 440 change the previously connected paths to connect to the redundancy LPA (i.e., the LPA6 436b). If the LPA type is the 2 way combiner type, all of the LPA1 432a, the LPA2 432b, the LPA3 434a, the LPA4 434b, the LPA5 436a and the LPA6 ~~436b-operated~~436b are operated.

**Please replace paragraph [0063] with the following amended paragraph:**

[0063] Thus, the respective sector signals are divided by the signal dividers 400a, 400b and 400c and provided via the first and second paths. The first and second sector signals provided via the first and second paths are amplified to a predetermined level by each of the LPAs 432a, 432b, 434a, 434b, 436a and 436b. The phases of the first sector signals provided via the first paths are delayed while the first and second sector signals pass through the 3:4 switch

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410 and the 4:3 switch 440. To compensate for the delayed phases, the phase adjusting unit 420 delays the phases of the second sector signals provided via the second paths by an amount of the delayed phase of the first sector signals provided via the first paths.